WARM SPRINGS

EPA Order HUD/BIA Funded Projects - Meeting #2

PRESENTED TO:

PROJECT TEAM

OCTOBER 9TH, 2019

PRESENTED BY:

PROGRAM MANGER BARRY BUCHANAN, P.E., B&A



Buildings



Communications



Services





Industry Manufacture



Mining



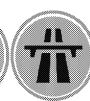
Recreation



Ports



Potable



Roads Bridges



Solid Waste



Storm Water



Wastewater



Meeting Rules

- 1. Be Present and Engaged.
- 2. Contribute to the Meeting Goals.
- 3. Stay on Point; on Topic ... **NOT** a Side Agenda or Hobbyhorse.
- 4. Only *ONE* Conversation in the Room at Any Time.
- 5. Listen with an Open Mind ... Attack the Problem **NOT** the Person.
- 6. Cellphones **OFF**.
- 7. The Meeting will Break Approximately Every 45 Minutes for 15 Minutes, be *PROMPT*.





EPA Weekly Update

- 1. Distribution system
 - a) Status of distribution system projects/ repairs
 - b) Any upcoming on monitoring/sampling
- 2. Plant operations
 - a) Any updates on SOPs/identification of new ones needed?
 - b) Training for operators on requirements in emergency order/plants operations
 - c) Shift log still completed including Coagulation SOP/ other info

- 1. Review Meeting #1
- 2. Stakeholders
 - a) Confirm Members
 - b) Roles/Titles and Responsibilities/Authority
- 3. Contracting and Procurement Strategies
- 4. Agree Projects Packages
- 5. Identify Implementation Schedule Constraints (CH)
- 6. Assign 7-day Plan of Actions/Duties
- 7. Review and Agree the Issues List
- 8. Review and Agree the Action List
- 9. Next Meeting Wednesday week 10:00 am

Agenda







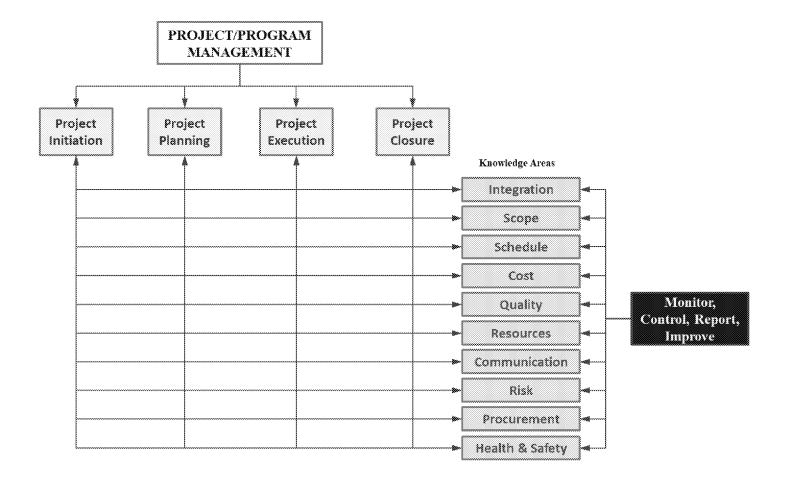
Review Meeting#1.

THE PROGRAM CONTAINS FOR THE WATER TREATMENT FACILITY:

- Backwasii Pond Lining
- 👢 🗀 Garlagon Diusia Sanalosiuse
- Filter Issues
- 🕬 Finished Water Pumps
- HVAC
- Intake
- MICAR SCADA
- Raw Waker Bumpa
- WTP Wastewater System







The Program ...

GOAL: To meet the EPA Compliance Order in a S.M.A.R.T Way that Ensures a Safe, Reliable, Sustainable Potable Water System for the TRIBES

OBJECTIVES:

- To return the Potable Water System to its Age and Use Appropriate State
- Build Competence and Confidence by Spending the Agency Money Expediently
- Establish Refined Work Scopes and Associated Costs
- 4. Provide Technical Staff with the Tools and Knowledge to Monitor and Maintain the Asset in a State of Good Repair and Operation
- 5. Continuously Improve

KEY MILESTONES: Oct 2019 - July 2020

- Agree a Procurement Strategy
- Define the Project(s) Scope
- Complete Bid Documents
- Secure Contracts
- Confirm Work Scope(s)
- Confirm Construction Priority
- Confirm Funding Allocations
- Initiate Construction
- Complete Construction
- Installation Qualification
- Operations Qualification
- Operations Transfer
- Performance Testing
- Project Closeout



Stakeholders

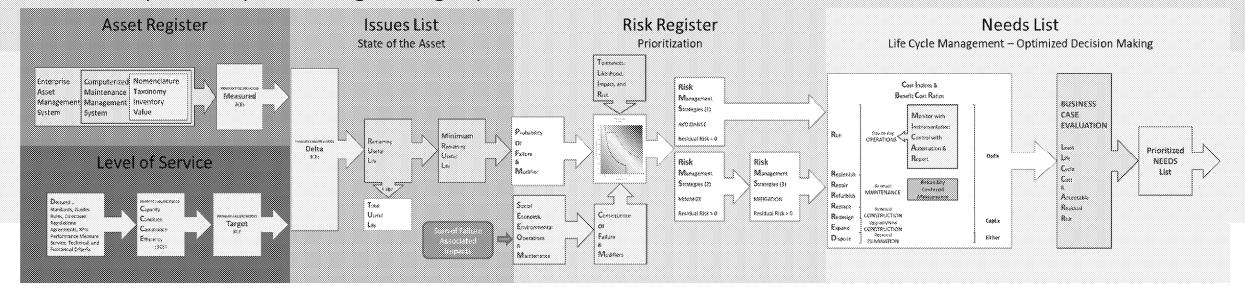
- ▼ TRIBES members
- Agencies members
- Consultant members
- Contractors members
- ▼ Vendors members



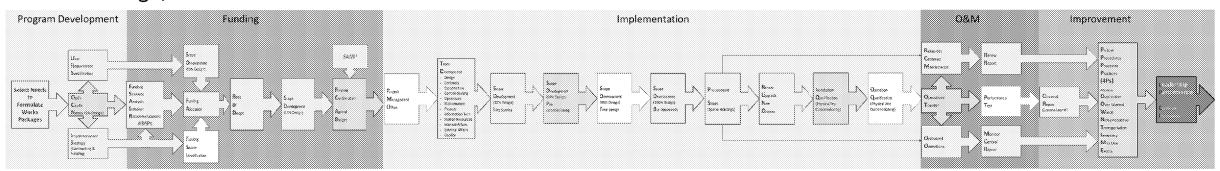


2 Phased Implementation

Phase 1 Scope Development – Engineering Report:



Phase 2 Design/Build:





EPA ORDER - ENG. REPORT Distribution

Distribution Assessment

Shitikes Creek Crossing Analysis and repair work – Jun 2019

IHS perm creek crossing analysis 2 options due Jan 2020

PRV/Flow Control Analysis and repair work Ph I Aug 2019 and Ph II – Oct 2019

IHS/CW leak detection in West Hills (and Campus?) report due Jan 2020

Map review/consolidation of current data - ???

Further review pend full AM funding study





EPA ORDER - ENG. REPORT WTP



WTP HUD/BIA Funds Allocation

· Ar Soour

Raw Water Low Lift Pumps –

Pumps/Elec./Well/Chem \$10K BIA \$90K HUD

Chemical Addition -

PAC Enclosure \$30K HUD

Filtration –

MEDIA \$59 HUD - \$58 BIA

Sludge & Wash Water Treatment

Treated Water High Lift Pumps \$90 HUD - \$85K BIA

Laboratory



CIVIL ENGINEERS
LAND SURVEYORS
PROJECT MANAGERS
PLANNERS

- Communications
 - MICAR
 - SCADA \$148K BIA
 - Telephone
- Electrical:
 - High Voltage
 - Low Voltage
- Buildings
 - HVAC \$42K BIA
 - WW \$50 HUD
- Grounds
- Roading
- Security

IHS - \$80K Spent

WTP Work Packages

Package 1:

- Element 1 Chlorine Room, Storeroom
- Element 2 Chemical Room

Package 2:

- Element 3 Intake
 - Foundation, Screen, Air scour, Connecting Pipework
- Element 4 Raw Water, Low Lift Pumps
 - Mechanical and Electrical
- Element 7 Treated Water, High Lift Pumps
 - Mechanical and Electrical

Package 3:

- Element 5 Clarifier
- Element 6 Filters
 - Tankage, Associated Pipework, Weirs, Pumps, Valves, Chambers, Electrics

Package 4:

- Element 8 Wash Water/Sludge Ponds
 - Lining, Embankment, Weirs, Gates, Outfall, Connecting Pipework.
- Element 11 WW System
 - Septic Tank, Leach Field, Connecting pipework, Sampling Water Separation
- Element 12 Paved Road
- Element 15 Security Fence, etc.

Package 5:

- Element 9/10 WTP Building
 - Foundation, Floors, Walls, Windows, Doors, Ceiling, Roof, Stormwater, Drainage, Amenities, Laboratory, HVAC

Package 6:

- Element 13 Power Supply & Electrics
- Element 14 MICAR SCADA



Schedule Constrains

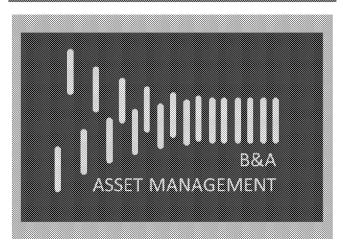
- Purchase Office Books Closure
- Construction Window (Weather)

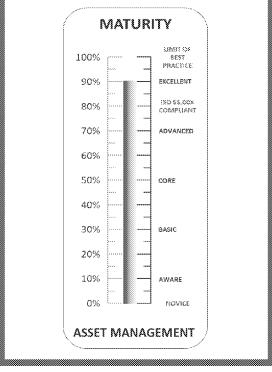












For more information contact ...

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